GLOBEC III

April 7 - May 20, 2002

76˚W 72˚W 68˚W 64˚W 60˚W 56˚W

62˚S 64˚S 66˚S 68˚S 70˚S

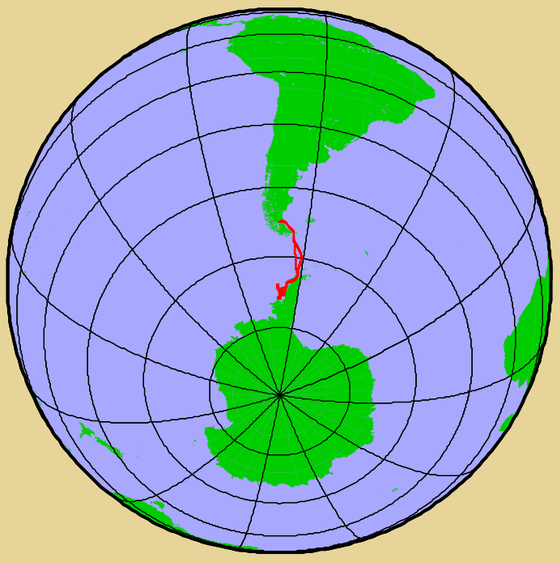
King George Island
Livingston Island
Deception Island
Ross Island
Anvers Island
Palmer Station
Roland I.
Biscoe Islands
ANTARCTICA
ANTARCTIC CIRCLE
Adelaide Island
Rothera
Pourquoi Pas I.
Larsen Ice Shelf
Weddell Sea
Marguerite Bay
Alexander Island
Wordie Ice Shelf
Rothschild I.
Wilkins Ice Shelf
Mt. Faith
Mt. Hope
Mt. Charity

ARSV Laurence M. Gould
LMG02_03

Primary Scientific Objective:

1) To determine the abundance and distribution of Euphausia suberba using MOCNESS, ADCP, aucoustic surveys with a towed body, and when ice was present, using SCUBA surveys underneath the ice.
2) To descibe the krill predator field using visual surveys, satellite tags, and diet analysis for sampling whales, seals and penguins, and MOC10 nets and acoustics for sampling fish.
3) To describe the physiological status of krill at each of the process stations using measurements of respiration, excretion, growth, feeding, and egestion rates.
4) To collect hydrographic data, clorophyll data, and nutrient data to better understand the krill's enviroment and prey spectrum.

Marine Project Coordinator - Steve Ager
Principal Investigator- Dr. Jose Torres



Base map created using Generic Mapping Tool v3.4 (Wessel & Smith).
Mercator Cylindrical Projection, center 65.5 South 65 West

Andrew Nunn & Fred Stuart
May 19, 2002